

INTERACTIVE WAGERING SYSTEMS AND  
METHODS FOR RECORDING WAGERING EVENTS

This application claims the benefit of United States provisional application No. 60/142,174, filed  
5 July 1, 1999; which is hereby incorporated by reference herein.

Background of the Invention

This invention relates to interactive wagering systems and methods, and particularly to  
10 wagering systems and methods that allow users to place wagers on live wagering events, such as thoroughbred races, harness races, dog races, etc., at locations remote from the locations where the wagering events take place, such as the users' homes. More  
15 particularly, this invention relates to wagering systems and methods that allow users to conveniently record wagering events based on the wagers placed by the users.

Wagering on live events, such as thoroughbred  
20 races, harness races, dog races, etc., is an exciting and increasingly popular leisure activity. However, for many racing enthusiasts, it is difficult or inconvenient to attend wagering events in person. Although off-track betting establishments provide



greater access to wagering opportunities, they are still inconvenient in that the users must spend time locating and traveling to such establishments in order to place wagers.

5           The above-described difficulties that faced wagering enthusiasts were addressed in commonly assigned U.S. Patent 5,830,068 ("the '068 patent") of Brenner et al. entitled "Interactive Wagering Systems And Processes," which is hereby incorporated by  
10 reference in its entirety. The '068 patent discloses interactive wagering systems and processes that allow wagering enthusiasts to place wagers on live wagering events, such as horse races, from the convenience of their homes through the use of an in-home wagering  
15 terminal. The systems and processes of the '068 patent allow users to place electronic wagers on horse races. It is an object of the invention to provide ways in which to automatically record wagering events based on which wagers are placed by the user.

20           It is also an object of the invention to provide an improved user interface for accessing and viewing stored videos.

          It is another object of the invention to provide systems and methods for allowing a user to  
25 search for desired racing videos from a racing archive.

#### Summary of the Invention

          An interactive wagering system is provided that checks to determine if an event on which a user has placed a wager has an associated video that is  
30 scheduled to be broadcast. This determination may be made by comparing the selected event to a database of upcoming wagering events. If the interactive wagering system determines that the selected wagering event is



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If desired, the interactive wagering system may allow the user to easily access the user's stored racing videos. The racing videos may be stored in a personal archive. The user may be able to view or



5       The interactive wagering system may include a racing video archive located remotely from the user equipment. The system may allow the user to search the racing archive for desired races. For example, the user may be able to search for desired races based on  
0 user-specified criteria such as track, horse, track conditions, trainer, jockey, and weather. Upon completion of the search, the user may be presented with a number of matches. The user may view one or more of the matches or may save one or more of them in  
5 the user's personal archive.

20 Further features of the invention, its nature  
and various advantages will be more apparent from the  
accompanying drawings and the following detailed  
description of the preferred embodiments.

25                FIG. 1 is a schematic diagram of an  
illustrative interactive wagering system in accordance  
with the present invention.

FIG. 3 is a schematic diagram of additional illustrative user television equipment in accordance with the present invention.











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An illustrative interactive wagering system 10 in accordance with the present invention is shown in FIG. 1. Aspects of the invention apply to various different types of wagering, but are described herein primarily in the context of interactive wagering on races (e.g., horse races) for specificity and clarity.

System 10 may be used to provide an interactive wagering service to users of various user equipment. An interactive wagering application may be used to provide the wagering service. The interactive wagering application may run locally on the user equipment (e.g., on a set-top box, personal computer, cellular telephone, handheld computing device, etc.) or may run using a client-server or distributed architecture where some of the application is implemented locally on the user equipment in the form of a client process and some of the application is implemented at a remote location (e.g., on a server computer or other such equipment in the system) as a server process. These arrangements are merely illustrative. Other suitable techniques for implementing the interactive wagering application may be used if desired.

Real-time videos from racetracks 12 may also be provided to video production system 14 for distribution to users as part of a television wagering service (i.e., a wagering television channel or similar



30           Video production system 14 may be used to  
provide a television wagering service that includes  
selected simulcast videos, video from studio 16, and  
graphic overlays to television distribution facilities  
18 (for redistribution to user television equipment 22



Each of television distribution facilities 18 is typically located at a different geographic location. Users with user television equipment 22 may receive the television wagering service from an associated television distribution facility. User television equipment 22 may include, for example, a television or other suitable monitor. A television may be used to watch the television wagering service on a traditional analog television channel. User television equipment 22 may also include a digital or analog set-top box connected to a television distribution facility 18 by a cable path. A digital set-top box may be used to receive the television wagering service on a digital channel. If desired, user television equipment 22 may contain a satellite receiver, a WebTV box, a personal computer television (PC/TV), or hardware similar to such devices into which set-top box capabilities have



Illustrative user television equipment 46 is shown in FIG. 2. Set-top box 50 may receive television programming and data at line or input 48. Set-top box 50 may have analog and digital television tuning circuitry for handling analog and digital television signals. Television signals may be passed to videocassette recorder 54, which is separate from the hardware (i.e., set-top box 50) that implements the television wagering application, for recording. Set-top box 50 may also control the operation of videocassette recorder 54. For example, set-top box 50 may issue infrared commands that are received by



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0	0	1	4	9	16	25	36	49	64	81	100	121	144	169	196	225	256	289	324	361	400	441	484	529	576	625	676	729	784	841	900	961	1024	1089	1156	1225	1296	1369	1444	1521	1600	1681	1764	1849	1936	2025	2116	2209	2304	2401	2500	2601	2704	2809	2916	3025	3136	3249	3364	3481	3600	3721	3844	3969	4096	4225	4356	4489	4624	4761	4900	5041	5184	5329	5476	5625	5776	5929	6084	6241	6400	6561	6724	6889	7056	7225	7396	7569	7744	7921	8100	8281	8464	8649	8836	9025	9216	9409	9604	9801	10000

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Illustrative user computer equipment 77 is shown in FIG. 4. User computer equipment 77 may be based on a personal computer 80 or any other suitable computing device. Personal computer 80 may receive television programming and information for interactive services using line or input 78. Personal computer 80 may contain a tuner card 82 or other suitable circuitry for handling analog and digital television signals. Personal computer 80 may also contain memory and processing circuitry that allows personal computer 80 to be used to implement applications that support an interactive wagering application, television wagering service, interactive television program guide, web browsing and Internet access, and other services such







Transaction processing and subscription management system 24 may contain computer equipment 26 and other equipment for supporting system functions such as transaction processing (e.g., handling tasks related to wagers, product purchasing, adjusting the amount of funds in user accounts based on the outcomes of wagers, video clip ordering, etc.), data distribution (e.g., for distributing racing data to the users), and subscriber management (e.g., features related to opening an account for a user, closing an account, allowing a user to add or withdraw funds from an account, changing the user's address or personal identification number, etc.). Databases within transaction processing and subscription management system 24 or associated with system 24 may be used to store racing data, wagering data and other transaction data, and subscriber data such as information on the user's current account balance, past wagering history, individual wager limits, personal identification number, billing addresses, credit card numbers, bank account numbers, social security numbers, etc. Using such databases may allow the user to access information more quickly and allows for central administration of the wagering service.



Product ordering services may be implemented using computer equipment at transaction processing and subscriber management system 24 to handle orders and to assist in adjusting the appropriate account of the user accordingly. Orders may be fulfilled using merchandise fulfillment facilities 34. Merchandise fulfillment facilities 34 may be operated solely to provide merchandise fulfillment or may be associated with independently-operated mail-order or on-line businesses. Similar facilities may be used to allow users to order services.

Statistical racing data such as the post times for each race, jockey names, runner names and the number of races associated with each track, handicapping information (e.g., information on past performances such as the number of wins and losses for the past year, etc.), and weather conditions at various tracks may be provided by racing data collection and processing system 28. Some of the data may be collected from racetracks 12 and some may be provided by third party information sources such as Axcis Pocket Information Network, Inc. of Santa Clara, California or other suitable data sources.



[illegible]

	1970	1980	1990	2000	2006
Population	10,000	10,000	10,000	10,000	10,000
GDP	10,000	10,000	10,000	10,000	10,000
Unemployment	10,000	10,000	10,000	10,000	10,000
Inflation	10,000	10,000	10,000	10,000	10,000
Interest rate	10,000	10,000	10,000	10,000	10,000
Government spending	10,000	10,000	10,000	10,000	10,000
Tax revenue	10,000	10,000	10,000	10,000	10,000
Fiscal deficit	10,000	10,000	10,000	10,000	10,000
Public debt	10,000	10,000	10,000	10,000	10,000
Private debt	10,000	10,000	10,000	10,000	10,000
Total debt	10,000	10,000	10,000	10,000	10,000
Current account balance	10,000	10,000	10,000	10,000	10,000
Trade balance	10,000	10,000	10,000	10,000	10,000
Capital account balance	10,000	10,000	10,000	10,000	10,000
Balance of payments	10,000	10,000	10,000	10,000	10,000
Foreign reserves	10,000	10,000	10,000	10,000	10,000
Exchange rate	10,000	10,000	10,000	10,000	10,000
Money supply	10,000	10,000	10,000	10,000	10,000
M2	10,000	10,000	10,000	10,000	10,000
CPI	10,000	10,000	10,000	10,000	10,000
PPI	10,000	10,000	10,000	10,000	10,000
Real GDP	10,000	10,000	10,000	10,000	10,000
Per capita income	10,000	10,000	10,000	10,000	10,000
Life expectancy	10,000	10,000	10,000	10,000	10,000
HDI	10,000	10,000	10,000	10,000	10,000
Corruption index	10,000	10,000	10,000	10,000	10,000
Freedom of speech	10,000	10,000	10,000	10,000	10,000
Press freedom	10,000	10,000	10,000	10,000	10,000
Internet freedom	10,000	10,000	10,000	10,000	10,000
Human rights	10,000	10,000	10,000	10,000	10,000
Gender equality	10,000	10,000	10,000	10,000	10,000
Environmental quality	10,000	10,000	10,000	10,000	10,000
Air quality	10,000	10,000	10,000	10,000	10,000
Water quality	10,000	10,000	10,000	10,000	10,000
Forest cover	10,000	10,000	10,000	10,000	10,000
Biodiversity	10,000	10,000	10,000	10,000	10,000
Climate change	10,000	10,000	10,000	10,000	10,000
Disaster risk	10,000	10,000	10,000	10,000	10,000
Natural resources	10,000	10,000	10,000	10,000	10,000
Energy production	10,000	10,000	10,000	10,000	10,000
Renewable energy	10,000	10,000	10,000	10,000	10,000
Non-renewable energy	10,000	10,000	10,000	10,000	10,000
Transportation	10,000	10,000	10,000	10,000	10,000
Road network	10,000	10,000	10,000	10,000	10,000
Air transport	10,000	10,000	10,000	10,000	10,000
Sea transport	10,000	10,000	10,000	10,000	10,000
Railway network	10,000	10,000	10,000	10,000	10,000
Urbanization	10,000	10,000	10,000	10,000	10,000
Suburbanization	10,000	10,000	10,000	10,000	10,000
Rural population	10,000	10,000	10,000	10,000	10,000
Urban population	10,000	10,000	10,000	10,000	10,000
Healthcare expenditure	10,000	10,000	10,000	10,000	10,000
Educational expenditure	10,000	10,000	10,000	10,000	10,000
Social security expenditure	10,000	10,000	10,000	10,000	10,000
Research and development expenditure	10,000	10,000	10,000	10,000	10,000
Infrastructure investment	10,000	10,000	10,000	10,000	10,000
Public infrastructure investment	10,000	10,000	10,000	10,000	10,000
Private infrastructure investment	10,000	10,000	10,000	10,000	10,000
Government intervention	10,000	10,000	10,000	10,000	10,000



involved in the pick-n wager), and daily double. The payoff values may be accompanied by a synopsis of the associated finish list.

Totalisators 30 may also provide program information of the type typically provided in printed racing programs. Such program information may include early odds, early scratches, race descriptions (including the distance of each race and the race surface - grass, dirt, artificial turf, etc.), allowed class ratings (based on a fixed ratio of external criteria), purse value (payoff to winning runner), allowed age range of runners, and the allowed number of wins and starts for each runner.

If desired, some of the information provided to transaction processing and subscription management system 24 by totalisators 30 (such as the program information or other suitable racing data) may be provided by racing data collection and processing system 28. Similarly, some of the information provided to transaction processing and subscription management system 24 by racing data collection and processing system 28 may be provided by totalisators 30. Moreover, the foregoing examples of different suitable types of racing data are merely illustrative. Any suitable data related to racing may be provided to transaction processing and subscription management system if desired.

Transaction processing and subscription management system 24 provides the racing data to users at user television equipment 22, user computer equipment 20, and user telephone equipment 32 for use in following race results and developing wagers. If desired, racing data may be provided to users using paths that do not directly involve transaction



processing and subscription management system 24. For example, racing data may be provided from racing data collection and processing system 28 to user television equipment 22, user computer equipment 20, or user telephone equipment 32 using the Internet or other suitable communications paths.

User telephone equipment 32 may be a conventional telephone, a cordless telephone, a cellular telephone or other portable wireless telephone, or any other suitable telephone equipment. Users at user television equipment 22 and user computer equipment 20 may view information on the racing data on a television or other suitable monitor. Users at user telephone equipment 32 may listen to racing data using an interactive voice system. User telephone equipment 32 may be based on cellular telephones or other telephones with displays. Users may view racing data and videos on such displays. A recording device 33 such as a magnetic media recorder (e.g., hard disk drive or the like), memory (e.g. flash memory, EEPROM, or the like), or any other type of recording device may be used in user telephone equipment 32 to store videos such as wagering events.

An illustrative cellular telephone 90 with which the user may use the interactive wagering application is shown in FIG. 5. A portion of the software that is used to implement the interactive wagering service is resident on cellular telephone 90. Cellular telephone 90 may have a recording device for storing software instructions and videos and a processor for executing the instructions and displaying the videos.

Cellular telephone 90 may have an antenna 92 to support wireless communications with transaction



A generalized schematic diagram of user  
30 equipment (i.e., user television equipment 22, computer  
equipment 20, and user telephone equipment 32) of  
FIG. 1 is shown in FIG. 6. Control circuitry 112 and  
memory and storage 114 may have communications and  
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If the user makes a balance inquiry, the inquiry may be passed to the appropriate totalisator by transaction processing and subscription management system 24. If the user is charged a fee for subscribing to the service, the service may debit the fee from the user's account at the transaction processing and subscription management system 24.

The accounts at totalisators 30 and transaction processing and subscription management system 24 are typically maintained separately, because the business entities that operate totalisators 30 and transaction processing and subscription management system 24 are independent. If desired, financial functions related to opening and maintaining user accounts and the like may be handled using computer equipment at another location such as one of financial



Users at user television equipment 22, user computer equipment 20, and user telephone equipment 32 may place wagers by providing wagering data and otherwise interacting with transaction processing and subscription management system 24. The interactive wagering service may provide a user at user television equipment 22, user computer equipment 20, or user telephone equipment 32 that has display capabilities with screens containing various racing data. For example, the user may be presented with screens that allow the user to view the current odds for horses in an upcoming race at a given track.

The service may provide the user with interactive screens containing menus and selectable options that allow the user to specify the type of wager in which the user is interested and the desired wager amount. With a set-top box arrangement, for example, the user may use a remote control or wireless keyboard to navigate the various menus and selectable options. With a personal computer, the user may use a keyboard, mouse, trackball, touch pad, or other suitable input or pointing device. With a cellular telephone with a display, the user may use buttons on the telephone. When the user has made appropriate selections to define a desired wager, the user television equipment, user computer equipment, or user telephone equipment may transmit wagering data for the







Communications paths that carry video and particularly uncompressed analog video or lightly-compressed or full-screen digital video generally use more bandwidth than communications paths that carry only data or that carry partial-screen digital video. For example, if it is desired to transmit high-quality simulcasts of races from racetracks 12 to video production system 14, analog or digital videos may be transmitted from racetracks 12 to video production system 14 over path 44a using satellite links. Video may be transmitted from studio 16 to video production system 14 over path 44b using a satellite link or a high-speed terrestrial path such as a fiber-optic path. Studio 16 may also be located at the same site as video production system 14, thereby avoiding the need for a long-haul transmission path. Videos may be transmitted from video production system 14 to user computer equipment 20 over path 14c using a modem link (using, for example, a digital subscriber line, a telephone network link, a wireless link etc.) The modem link may be made over a private network.

A user with a cable modem may connect a personal computer or other such user computer equipment 20 to an associated cable system headend using path



44d. (The headend in such an arrangement would be one of the television distribution facilities 18 shown in FIG. 1.) The user may then receive videos from the headend via cable modem. Videos may be provided to the headend over path 44e using a network link, fiber optic links, cable links, microwave links, satellite links, etc. A user with a set-top box (shown in FIG. 1 as part of user television equipment 22) or similar device may also receive videos from a cable system headend using a cable modem or other such communications device over path 44f. In addition, a user with user television equipment 22 may receive videos over the Internet or a private network using a telephone-based modem or other such communications device using path 44g. In a system with distributed processing, interactive wagering services may be provided using a television distribution facility 18 that includes equipment that supplements or replaces at least some of the equipment at transaction processing and subscription management system 24.

If desired, user television equipment 22 or user computer equipment 20 may receive analog or digital videos from an associated television distribution facility over the communications paths normally used to distribute television programming (e.g., paths 44f and 44d). For example, videos may be received as part of a wagering television channel. If videos are provided as digital signals (e.g., MPEG signals), 10 or more digital videos may be carried on a single analog channel (or one digital video may be carried on one-tenth of the bandwidth of an analog channel). If the videos are not full-screen videos, even more videos may be simultaneously provided without a loss of image quality.



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Users with user television equipment 22 may interact with the service by sending data (e.g., wager data) to transaction processing and subscription



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In order for the interactive wagering service to automatically record or ask a user to record racing videos of races, the service may need to know if the race is available to be recorded. Additionally, the



5 interactive wagering service. The racing video data  
may also contain the television channels and start and  
end times of the races. Alternatively, if the video is  
transmitted over the Internet, then the racing video  
data may contain information to allow the interactive  
10 wagering application to download the racing videos.  
The racing video data may also contain specific  
information regarding the races. For example, the  
racing video data may contain the names of the horses,  
jockeys, trainers, weather conditions, track  
15 conditions, start positions, or any other information  
specific to a given race.

If the system archives past races, then the racing video data may be stored with the archived past races and used to allow a user to easily search and find a desired past race.

If desired, the user may interact with the wagering service using more than one platform. For example, the user may place a wager using a cellular telephone while the user is driving home. When the user arrives home, the user may determine the outcome of the wager by watching a video of the race on user television equipment. Later in the day, the user may check the user's account balance using a personal computer. This is merely an illustrative example. The various wagering platforms may be used in any suitable combination.

Although system 10 has been described in the context of a system that supports multiple wagering platforms, system 10 may support fewer platforms if



The interactive wagering application may be implemented using application software that runs primarily on a set-top box or other such local platform or using a remote server or other computer that is accessed from a local platform. Arrangements in which interactive wagering services are implemented using software on remote computers that is accessed on-demand from local platforms may be referred to as client-server arrangements. Such client-server arrangements may be used to allow client processes on set-top boxes to access server processes running on servers located at cable system headends or other television distribution facilities 18 (FIG. 1). Regardless of the type of system architecture or platform used, the software that supports the interactive wagering service features described herein may be referred to as an interactive wagering application.

An illustrative display screen that may be provided by the interactive wagering application, and particularly by an interactive wagering application implemented using user television equipment 22, is shown in FIG. 7. Screen 700 contains a main menu 702 displayed on top of the video for a television wagering



Menu 702 also includes an operator icon 728. Main menu selections and other selections may be made by

Main menu 702 includes a "Probet" option 710, a "Build A Bet" option 712, a "Handicapping" option 714, a "Track Info" option 716, a "Player Info" option 718, a "My Videos" option 720, a "Search Archives" option 722, a "Watch TVG" option 724, and a "Setup" option 726.

In this mode, a ticket window 806 and tab options 808 are displayed. Ticket window 806 shows a simulated wagering ticket that may be updated as the user navigates highlight region 706 and makes his or her selections. Tab options 808 show the information that is required for the user to create a wager. For



Once a user has selected a track from screen 800, the user may be presented with screen 900 as illustrated in FIG. 9. As shown, screen 900 indicates the track selection made by the user in status bar 802 and ticket window 806. Ticket window 806 also displays the race number currently highlighted by highlight region 706. At this point, the user is preferably required to select a race at the selected track. The user may also select Multi-Race Bet option 902. As shown, some races, such as race "1" may be finished (as indicated by "F") and thus may not be selectable.

Once a user has selected a race, such as race "3", from screen 900, the user may be presented with screen 1000 as shown in FIG. 10. Ticket window 806 indicates the race selection made by the user and the wager type currently highlighted by highlight 706. Status bar 802 indicates the time remaining until the beginning of the selected race. Arrow 1002 is



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Alternatively, the application may tune to the race at the start of the race or prior to the race in order to

10 the user presses the OK key on a remote control or by  
any other suitable method.

user selects "No" from window 1402, the user may be presented with screen 1600 as illustrated in FIG. 16.

15 Screen 1600 includes a queue window 1602. Within queue  
window 1602 are a bet queue 1604, recording icon 1606,  
and action selections 1608. From bet queue 1604, the  
user can see all of his or her previously created, but  
unsent or unplaced bets. Also shown in screen 1600 is  
20 an odds window 1600. Using this odds window, the user  
can monitor the odds for each horse to win. As can be  
seen, horse "1" is showing 7-to-1 odds to win. By  
selecting one of action selections 1608, the user can  
indicate to the user interface how to proceed with the  
25 bets shown in the queue. More particularly: by  
selecting the "Send" selection 1608, the user can send  
the bets; by selecting the "New" selection 1608, the  
user can add another bet; by selecting the "View"  
selection 1608, the user can view bet details; by  
30 selecting the "Dup" selection 1608, the user can  
duplicate a bet; by selecting the "Del" selection 1608,  
the user can delete a bet. Recording icon 1606  
indicates if the race or races involved with each wager  
are scheduled to be recorded.



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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]



[illegible]

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
0	0	1	4	9	16	25	36	49	64	81	100	121	144	169	196	225	256	289	324	361	400	441	484	529	576	625	676	729	784	841	900	961	1024	1089	1156	1225	1296	1369	1444	1521	1600	1681	1764	1849	1936	2025	2116	2209	2304	2401	2500	2601	2704	2809	2916	3025	3136	3249	3364	3481	3600	3721	3844	3969	4096	4225	4356	4489	4624	4761	4900	5041	5184	5329	5476	5625	5776	5929	6084	6241	6400	6561	6724	6889	7056	7225	7396	7569	7744	7921	8100	8281	8464	8649	8836	9025	9216	9409	9604	9801	10000

[illegible]



the sort order was reversed, then sort icon 2408 would point up instead of down. The stored videos can also be sorted by any of the other captions, such as by race, date, or name of the winner horse. This may be performed by navigating highlight region 706 to the desired caption and selection that caption. In addition, stored videos 2406 may also be listed according to any other race information associated with the races. For example, stored videos 2406 may be listed according to trainer name, jockey name, the horse name wagered upon, or any other suitable race information. The race information may be obtained from the racing data provided to the interactive wagering application. The race information may be stored with each respective stored video 2406 or separately. Arrow 1104 in window 2402 indicates that additional stored videos 2406 are available.

If a user desires to access race "2", the user may navigate highlight region 706 down to that race as shown in screen 2500 of FIG. 25. By selecting race "2" with highlight region 706, the user may be presented with screen 2600 as illustrated in FIG. 26. Screen 2600 includes window 2602 which indicates options available to the user. As shown, the user may view or delete the desired race. In addition, the user may exit window 2602 in order to select another race or to return to the main menu. Window 2602 indicates that by pressing "Last", window 2602 may be cancelled or exited. However, window 2602 may be cancelled or exited by another other suitable method. Window 2602 may also include additional race information associated with the selected race. For example, the wager placed and outcome or any other race information not shown in stored videos 2406 may be presented to the user.



If the user decides to view the desired race, the user may select view option 2604. By selecting view option 2604, the user may be presented with the video of the desired race as shown in screen 2700 of FIG. 27a. Upon completion of the video of the desired race, the user may be presented with screen 2600 of FIG. 26. From screen 2600, the user may view the race again or delete the race. During playback of the desired race, the user may be able to invoke playback window 2752 as illustrated in screen 2750 of FIG. 27b. This may be done by pressing a menu key or by any other suitable method. Alternatively, by selecting view option 2604 of FIG. 26, the user may initially be presented with the video of the desired race as shown in screen 2750. Screen 2750 includes playback window 2752. Window 2752 allows a user to control the playback of the video. Window 2752 includes rewind option 2754, stop option 2756, pause/play option 2758, and fast-forward option 2760.

By navigating highlight region 706 to and selecting rewind option 2754, the user may rewind the video of the race for a user-specified period of time. For example, the user may want to replay the finish of the race. By selecting stop option 2756, the user may stop the video and return to screen 2600 of FIG. 26. By selecting pause/play option 2758, the user may alternate between playing the video and pausing the video. This may be particularly useful for a close finish. By selecting fast-forward option 2760, the user may speed up or fast-forward the video of the race. These options may also be accessible from a remote control or other user input device with playback window 2752 omitted.



The foregoing My Videos screens 2300-2900 are described in use with user television equipment 22. It will be understood that My Videos screens 2300-2900 may also be implemented on user computer equipment 20 or user telephone equipment 32. For example, a user may place a wager on a race with user telephone equipment 32 on his or her way home from work and save the race wagered upon in My Videos. When the user arrives home after the race has been run, the user may use user computer equipment 20 to view the race results and access My Videos to view the wagered upon race. If the saved races in My Videos are stored on a remote video server, then user television equipment 22, user computer equipment 20, and user telephone equipment 32 may be able to access the remote video server to access the stored videos. There may, however, be more than one remote video server. The remote video server may store more than one format of each stored video. For example, the remote video server may store a high-



Alternatively, the system may archive all available races on the remote video server. In this embodiment, if a user decides to save a video in My Videos, a link may actually be saved locally on the user equipment or remotely that allows a user to access the saved video from the archived videos. This may minimize the storage space required on the remote video server by allowing more than one user to access the same stored video.

15           The system may also allow a user to search  
through the video archive to find a desired video.  
This may be done by selecting Search Archives option  
722 from main menu 702 of FIG. 7. If a user selects  
Search Archives option 722, then the user may be  
20   presented with screen 3000 as illustrated in FIG. 30.  
Screen 3000, as illustrated, may be provided by the  
interactive wagering application, and particularly by  
an interactive wagering application implemented using  
user computer equipment 20. Screen 3000 allows the  
25   user to search for archived racing videos based on  
user-defined criteria 3004. As shown, criteria 3004  
includes the track, horse, track conditions, trainer,  
jockey, and weather associated with the archived races.  
Criteria 3004 are exemplary and may include any other  
30   suitable search criteria such as date, day of the week,  
time of day, race distance, etc. The user may select  
the search criteria by using cursor 3002 or any other  
suitable method. For example, the user may click on  
any of drop down menus 3006 to view and select







If the user selects "Save in My Videos" from window 3202 of FIG. 32, the user may be subsequently presented with a player identification screen (as shown in FIG. 33) and a screen (not shown) that prompts the user for a personal identification number. The user may then be presented with screen 3500 as shown in FIG. 35. Screen 3500 includes confirmation window 3502 which confirms that the selected video has been saved in My Videos. Window 3502 may time out after a period of time or may be dismissed by the user. This may result in the displaying of screen 3100 of FIG. 31. With the selected racing video saved in My Videos, the user may access that video from the My Videos mode of the interactive wagering application.

While the Search Archives mode has been presented in use with user computer equipment 20, it will be understood that the user will be able to access that mode with user television equipment 22 and user telephone equipment 32. For example, screen 3600 of FIG. 36 presents an illustrative display screen of the Search Archives mode accessed through user telephone equipment 32. Display screens on user telephone equipment 32 may be of lower resolution or smaller in



One skilled in the art will appreciate that the present invention can be practiced by other than the described embodiments, which are presented for purposes of illustration and not limitation, and the present invention is limited only by the claims which follow.

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